

ABSTRACT OF THE DISCLOSURE

A process for producing a heat mode-compatible positive planographic printing plate precursor comprising a support and a photosensitive layer whose solubility in an aqueous alkali solution increases upon heat-mode exposure, which includes: applying a photosensitive layer coating solution onto the support, and drying the photosensitive layer coating solution at a drying temperature not less than 150°C and not greater than 200°C and for a drying time of 110 seconds or less.